

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: METALUX

Report Number: P566464

Luminaire Tested: **4SNX-45SL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566464  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-45SL-UNV-L840-CD  
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

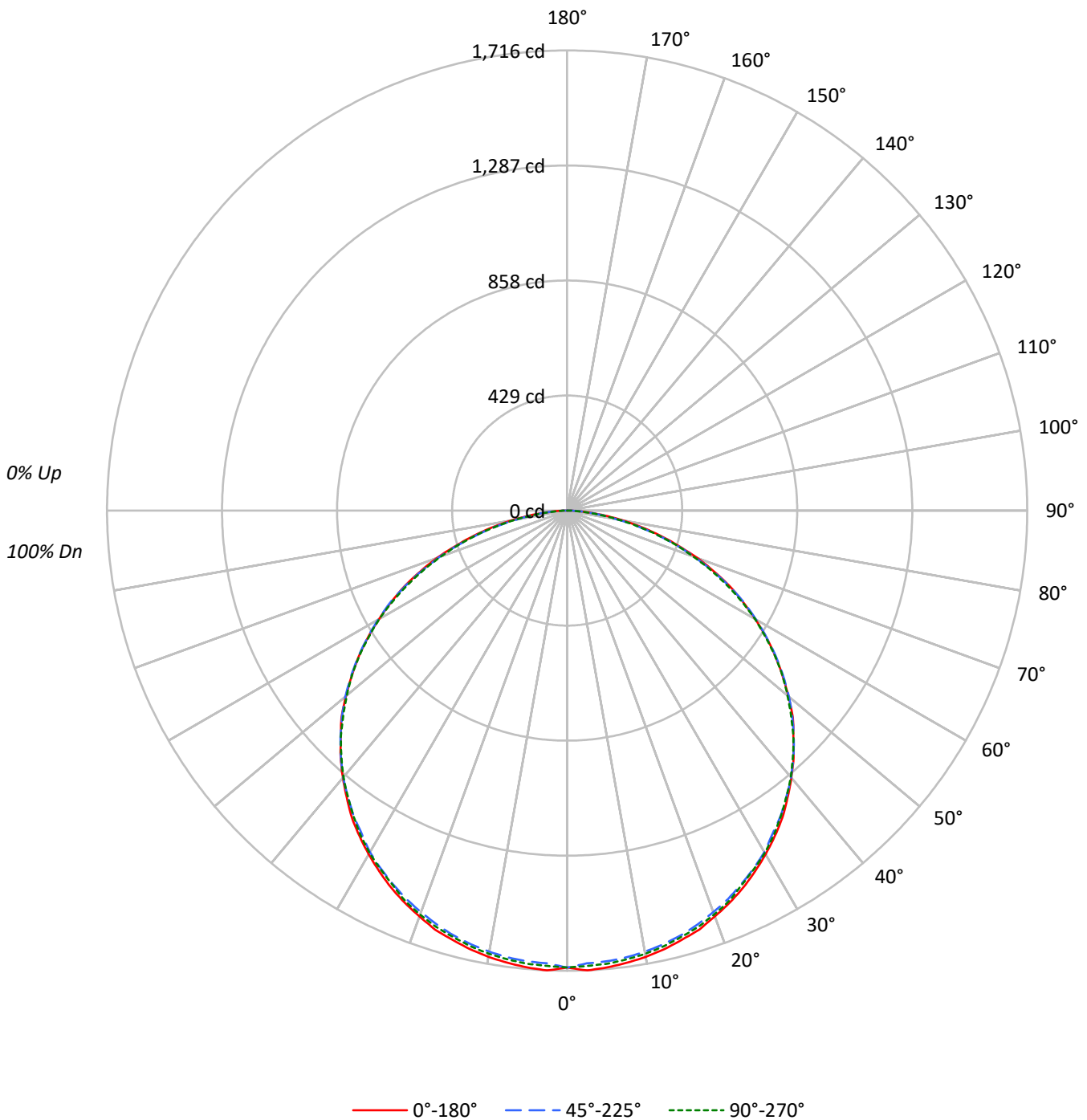
Lumens per Lamp: N/A  
Luminaire Lumens: 5095.0 lumens  
Efficiency: N/A  
Efficacy: 171.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	18342	18342	18342
5°	18478	18230	18330
10°	18474	18256	18340
15°	18459	18272	18340
20°	18448	18255	18361
25°	18436	18254	18291
30°	18399	18284	18323
35°	18385	18243	18264
40°	18281	18260	18237
45°	18171	18195	18171
50°	18040	18090	17963
55°	17802	17858	17772
60°	17450	17517	17418
65°	17095	16978	16744
70°	16252	15915	15723
75°	14847	14340	14402
80°	12825	11870	12156
85°	9658	9275	8324



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.7	3.2
10°-20°	465.8	9.1
20°-30°	712.7	14.0
30°-40°	871.4	17.1
40°-50°	921.8	18.1
50°-60°	849.3	16.7
60°-70°	654.5	12.8
70°-80°	366.7	7.2
80°-90°	91.2	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1340.1	26.3
0°-40°	2211.6	43.4
0°-60°	3982.7	78.2
0°-90°	5095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5095.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1704	1704	1704	1704	1704	
5°	1710	1704	1687	1704	1696	163
15°	1656	1653	1640	1653	1646	468
25°	1552	1549	1537	1549	1540	715
35°	1399	1396	1388	1393	1390	874
45°	1194	1198	1195	1194	1194	922
55°	949	956	952	952	947	847
65°	671	671	667	650	657	660
75°	357	352	345	332	346	379
85°	78	74	75	75	67	97
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1704.0	1704.0	1704.0	1704.0	1704.0
2.5°	1716.3	1708.6	1690.2	1707.1	1699.4
5°	1710.1	1704.0	1687.2	1704.0	1696.4
7.5°	1701.0	1696.4	1681.0	1696.4	1688.7
10°	1690.2	1685.6	1670.3	1685.6	1678.0
12.5°	1674.9	1671.8	1656.5	1671.8	1664.2
15°	1656.5	1653.4	1639.7	1653.4	1645.8
17.5°	1638.1	1632.0	1618.2	1633.5	1627.4
20°	1610.5	1607.5	1593.7	1607.5	1602.9
22.5°	1583.0	1579.9	1567.6	1579.9	1576.8
25°	1552.3	1549.2	1537.0	1549.2	1540.1
27.5°	1517.1	1518.6	1504.8	1512.5	1507.9
30°	1480.3	1480.3	1471.1	1474.2	1474.2
32.5°	1440.4	1440.4	1426.7	1435.9	1434.3
35°	1399.1	1396.0	1388.3	1392.9	1389.9
37.5°	1350.0	1348.5	1343.9	1347.0	1343.9
40°	1301.0	1302.5	1299.5	1297.9	1297.9
42.5°	1250.4	1253.5	1248.9	1247.4	1245.8
45°	1193.7	1198.3	1195.3	1193.7	1193.7
47.5°	1141.6	1143.2	1138.6	1137.0	1132.4
50°	1077.3	1083.4	1080.3	1077.3	1072.7
52.5°	1012.9	1022.1	1016.0	1012.9	1012.9
55°	948.6	956.2	951.6	951.6	947.0
57.5°	881.1	888.8	882.7	882.7	876.5
60°	810.6	818.3	813.7	809.1	809.1
62.5°	740.1	746.3	744.7	737.1	732.5
65°	671.2	671.2	666.6	649.7	657.4
67.5°	593.0	591.5	585.4	568.5	579.2
70°	516.4	516.4	505.7	485.8	499.6
72.5°	433.7	438.3	424.5	410.7	424.5
75°	357.0	352.4	344.8	332.5	346.3
77.5°	283.5	275.8	266.6	260.5	268.2
80°	206.9	202.3	191.5	191.5	196.1
82.5°	141.0	136.4	128.7	130.3	124.1
85°	78.2	73.6	75.1	75.1	67.4
87.5°	32.2	32.2	32.2	29.1	26.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)